

ABSTRACT OF THE DISCLOSURE.

A photovoltaic solar cell (SZ) of improved light-to-current conversion properties is provided with nano emitters (NE) of acicular or rib-like form and
5 are separated from each other at a uniform distance $D \leq \sqrt{2}L$ and penetrating to a penetration depth $T \geq d_{HL} - \frac{L}{2} + w$ into the semiconductor layer (HL).